

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2929 - L2 Version 3
Chandra X-Ray Center

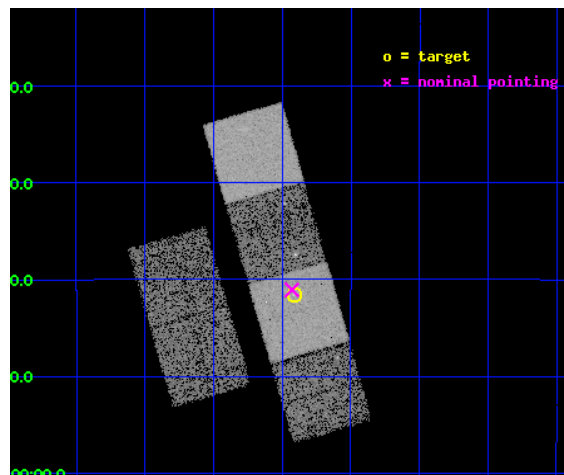
L2 Processing Date : Oct 3 2012

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1 Front

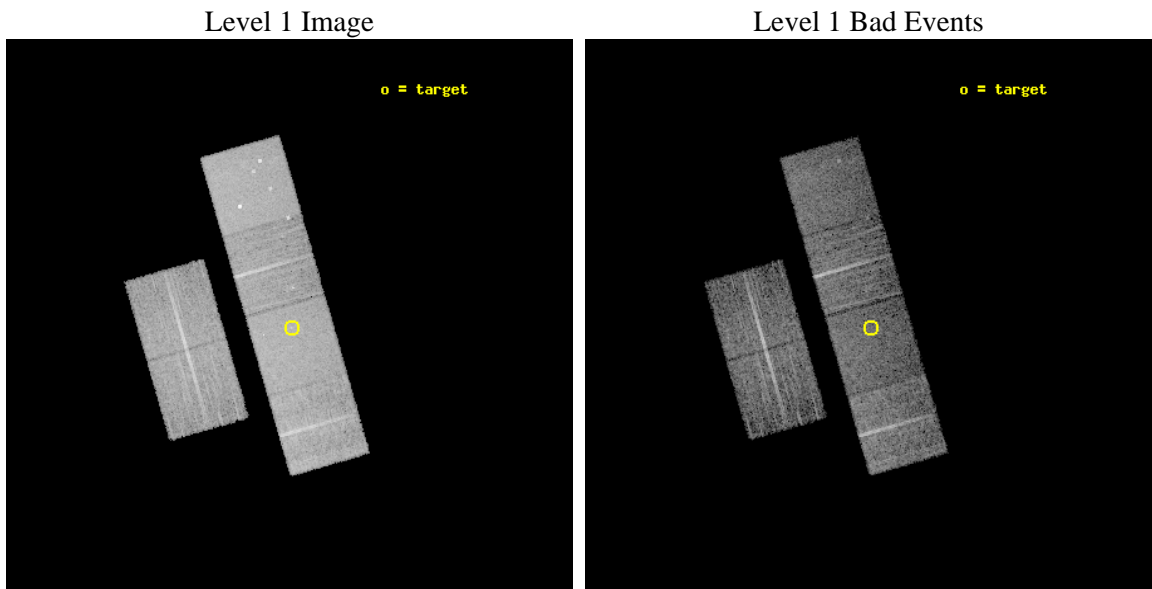
seq_num	600266	Sequence number
obs_id	2929	Observation id
title	CHANDRA SURVEY OF GALAXIES WITH KNOWN BLACK HOLE MASSES	Proposal t
observer	Dr. Andrew Ptak	Principal investigator
object	NGC 5793	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	224.852917	Observer's specified target RA [deg]
dec_targ	-16.693333	Observer's specified target Dec [deg]
ra_nom	224.85737977829	Nominal RA [deg]
dec_nom	-16.684642737458	Nominal Dec [deg]
roll_nom	73.930324530179	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8756.9209838957	Sum of GTIs [s]
livetime	8646.0355776128	Livetime [s]
ontime2	8756.9620438069	Sum of GTIs [s]
ontime3	8756.7978639007	Sum of GTIs [s]
ontime5	8756.8799438924	Sum of GTIs [s]
ontime6	8756.838903904	Sum of GTIs [s]
ontime7	8756.9209838957	Sum of GTIs [s]
ontime8	8753.5157838911	Sum of GTIs [s]
l2events	93506	Number of level 2 events



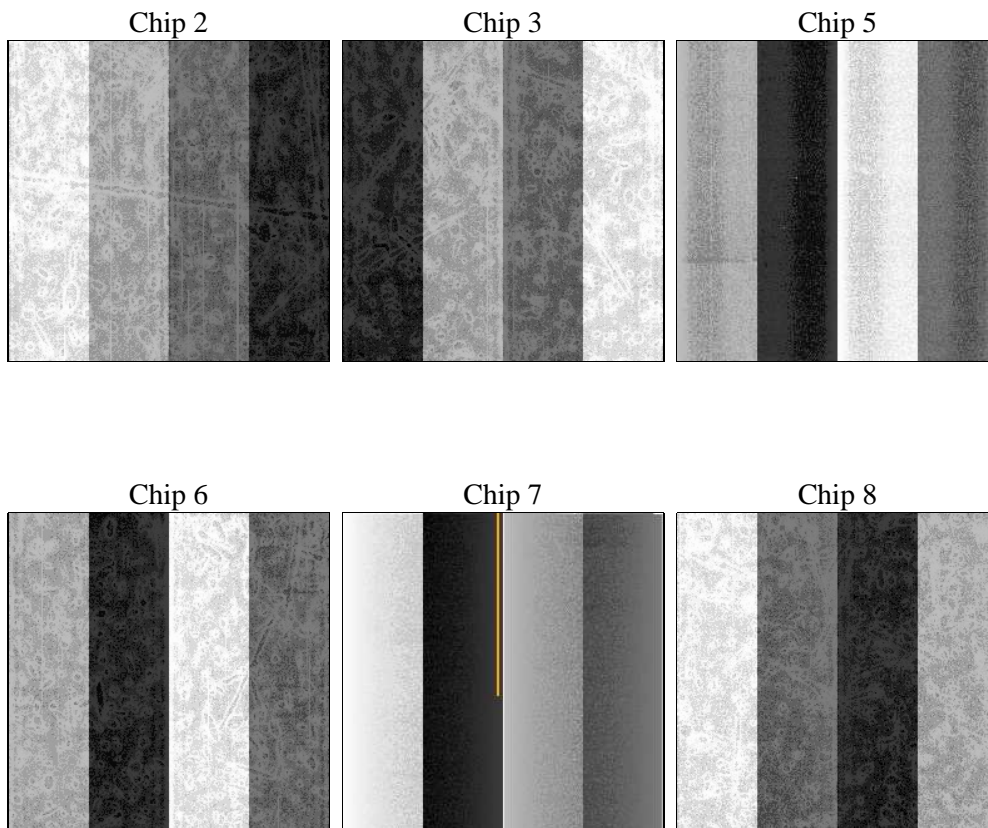
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8756.9209838957	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	8756.9620438069	Sum of GTIs [s]
date	2012-10-03T19:51:52	Date and time of file creation	ontime3	8756.7978639007	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	8756.8799438924	Sum of GTIs [s]
			ontime6	8756.838903904	Sum of GTIs [s]
			ontime7	8756.9209838957	Sum of GTIs [s]
			ontime8	8753.5157838911	Sum of GTIs [s]
			l1events	422239	Number of level 1 events

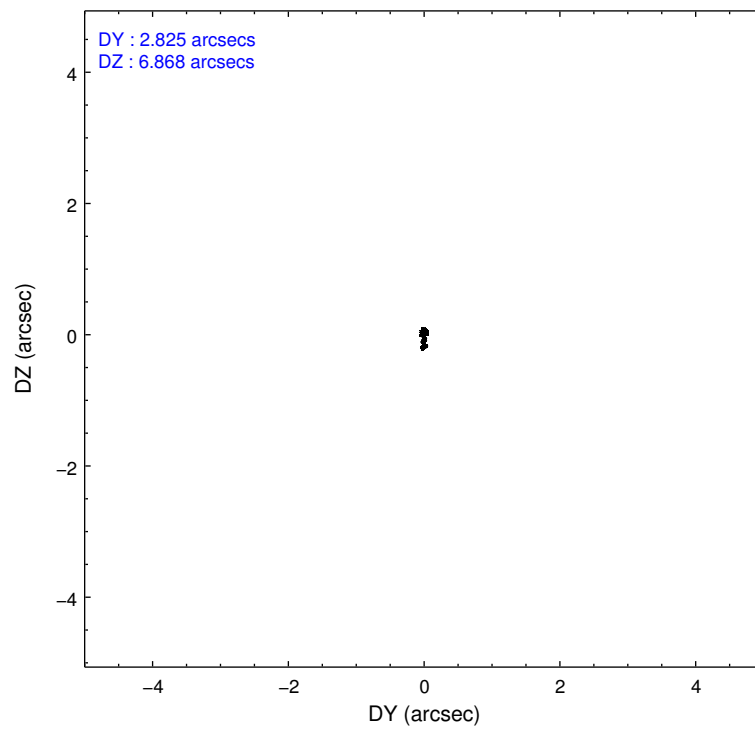
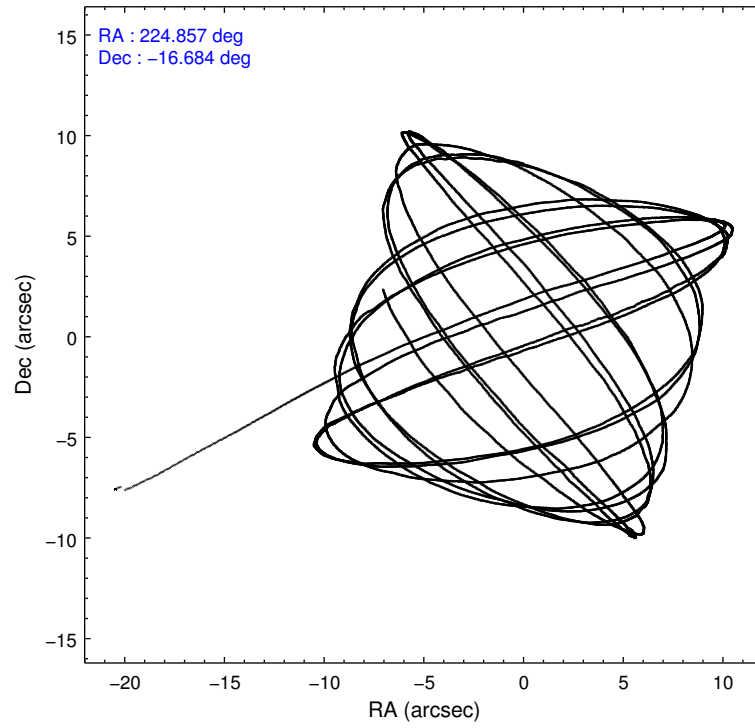
2.1.4 Events

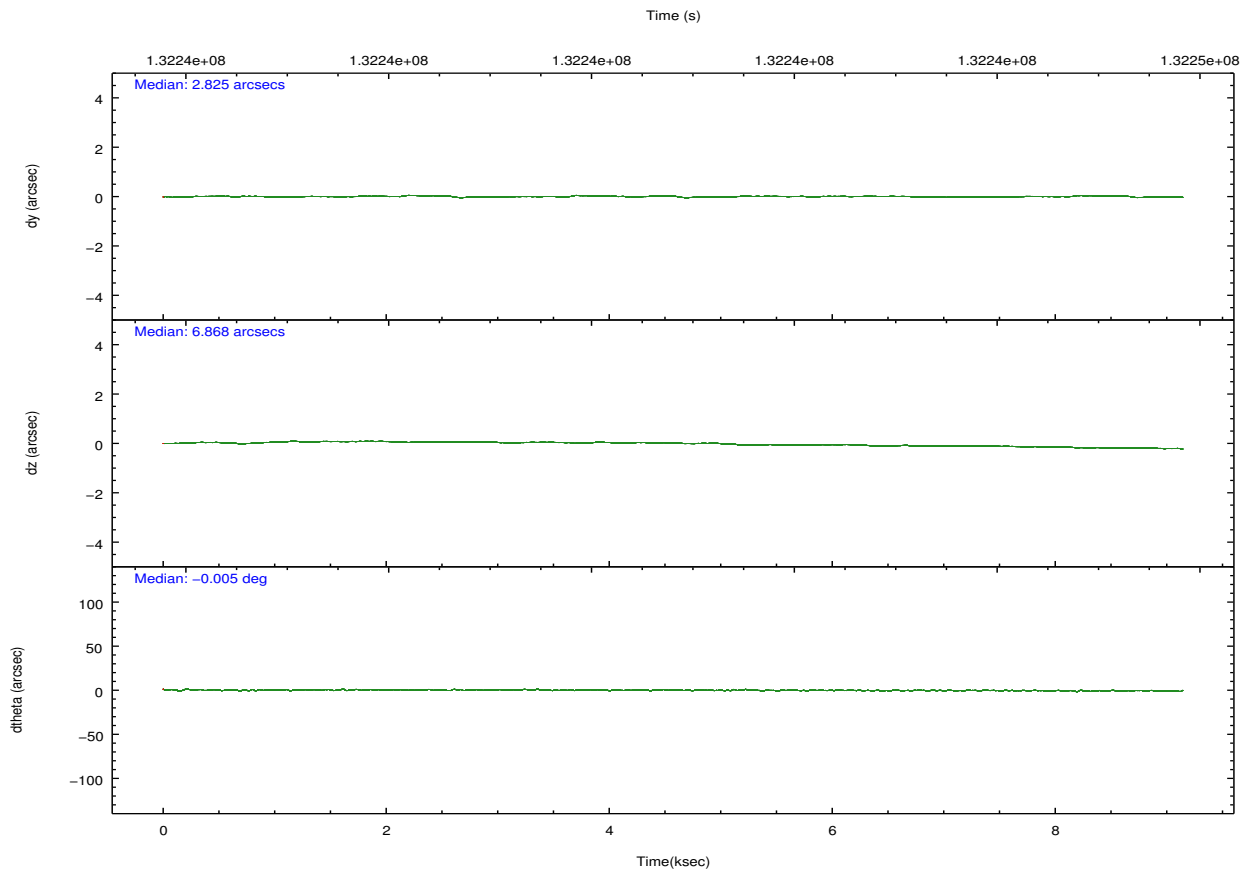
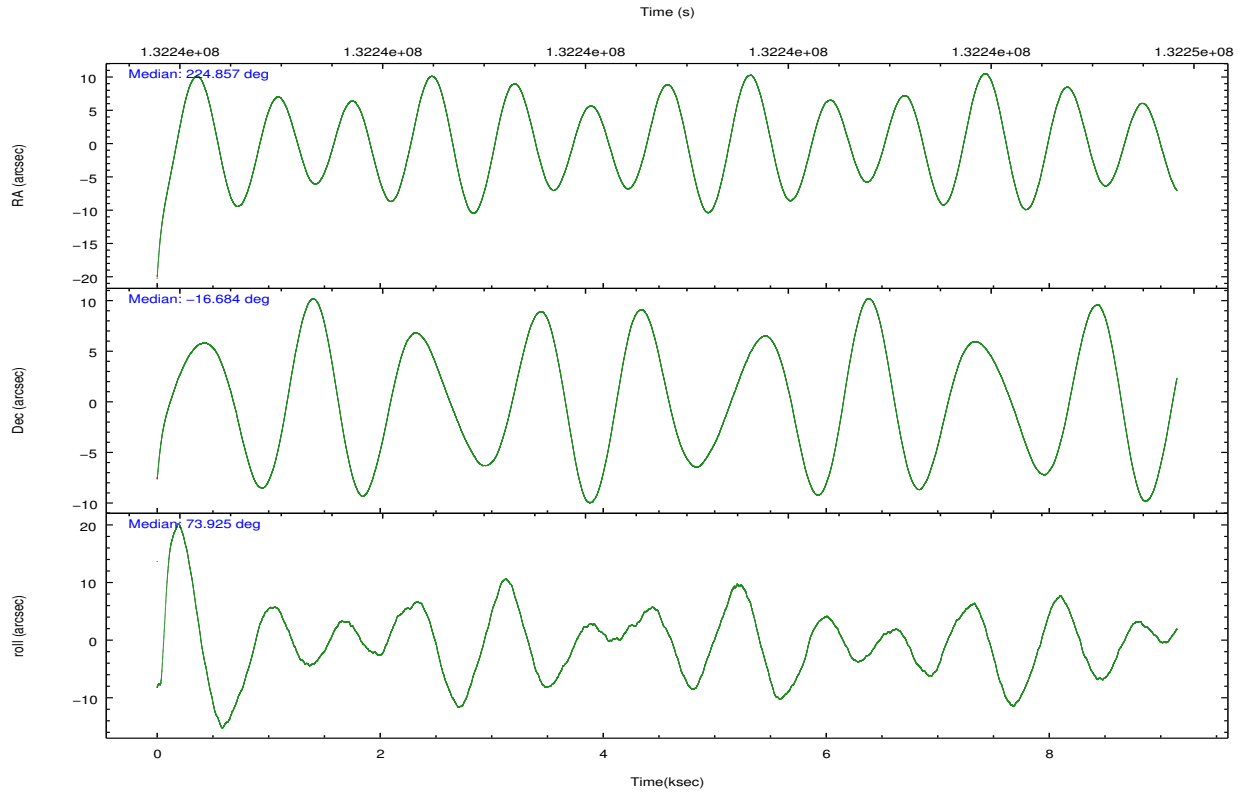
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	59571	58958	86171	61394	77903	78242	grade 0 events	3013	3017	5500	3426	3286	5195
rejected events	52666	52141	45790	53794	44866	62548		5%	5%	6%	5%	4%	6%
rejected %	88%	88%	53%	87%	57%	79%	grade 1 events	31	33	150	31	76	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	1516	1326	11639	1444	6738	3256
								2%	2%	13%	2%	8%	4%
							grade 3 events	625	612	1637	684	3013	1800
								1%	1%	1%	1%	3%	2%
							grade 4 events	631	657	1563	722	2968	1658
								1%	1%	1%	1%	3%	2%
							grade 5 events	2100	2181	6249	2570	7324	3193
								3%	3%	7%	4%	9%	4%
							grade 6 events	1120	1210	20056	1325	17039	3790
								1%	2%	23%	2%	21%	4%
							grade 7 events	50535	49922	39377	51192	37459	59274
								84%	84%	45%	83%	48%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	224.864589	224.8573797782933	Subarray requested	NONE	NONE
[deg] Pointing Dec	-16.710993	-16.68464273745812	Alternating exposures requested	N	N
[deg] Pointing Roll	73.775797	73.93032453017857	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	132236378.184000	132235348.02898			
Observation start date	2002-03-11T12:18:34	2002-03-11T12:02:28			
[s] Observation end time (MET)	132245378.184000	132246011.10442			
Observation end date	2002-03-11T14:48:34	2002-03-11T15:00:11			
Read mode	TIMED	TIMED			

2.3 Aspect



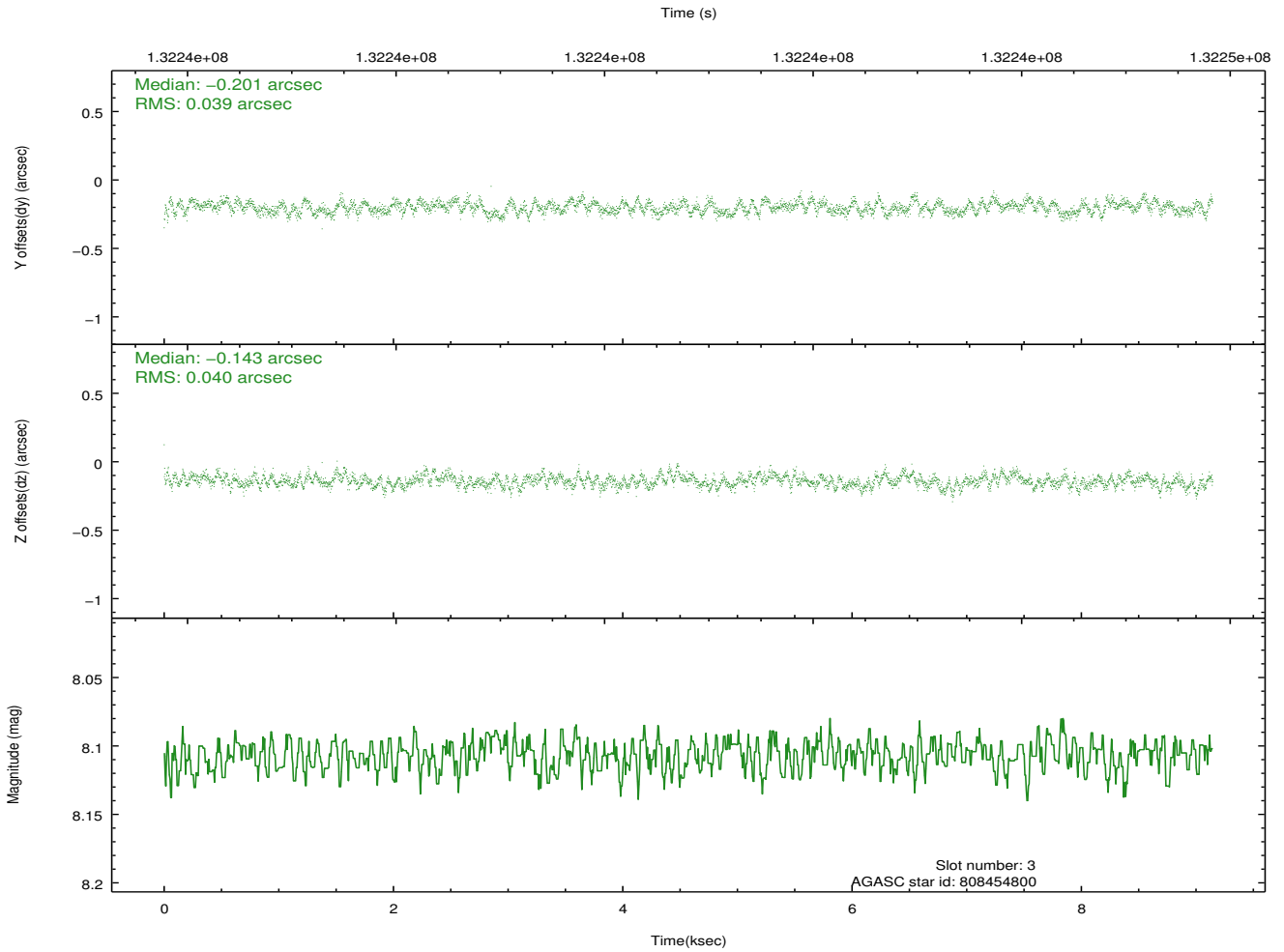
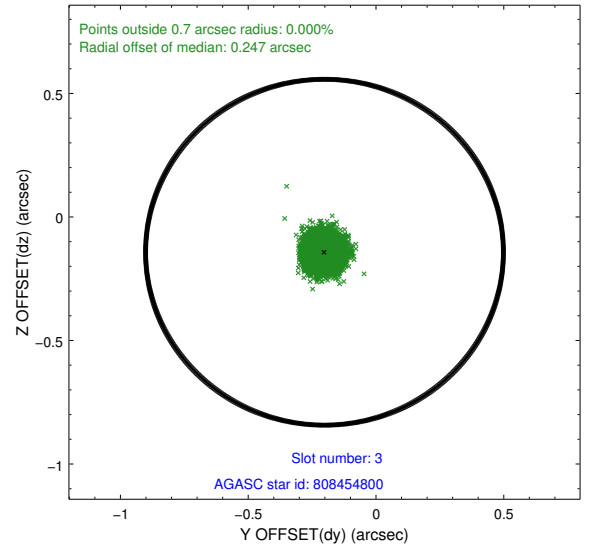
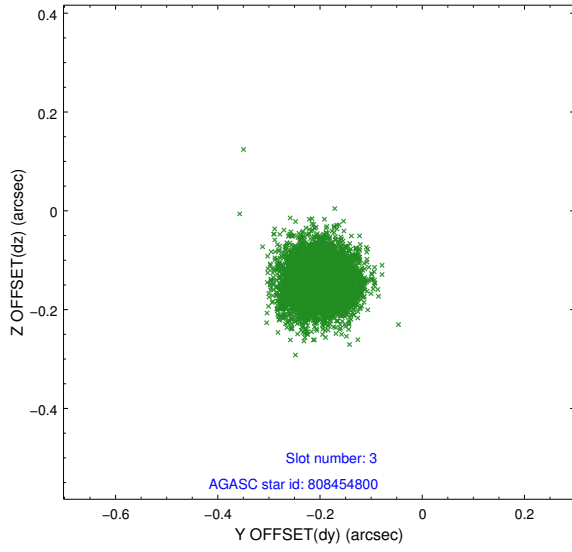


Slot Statistics

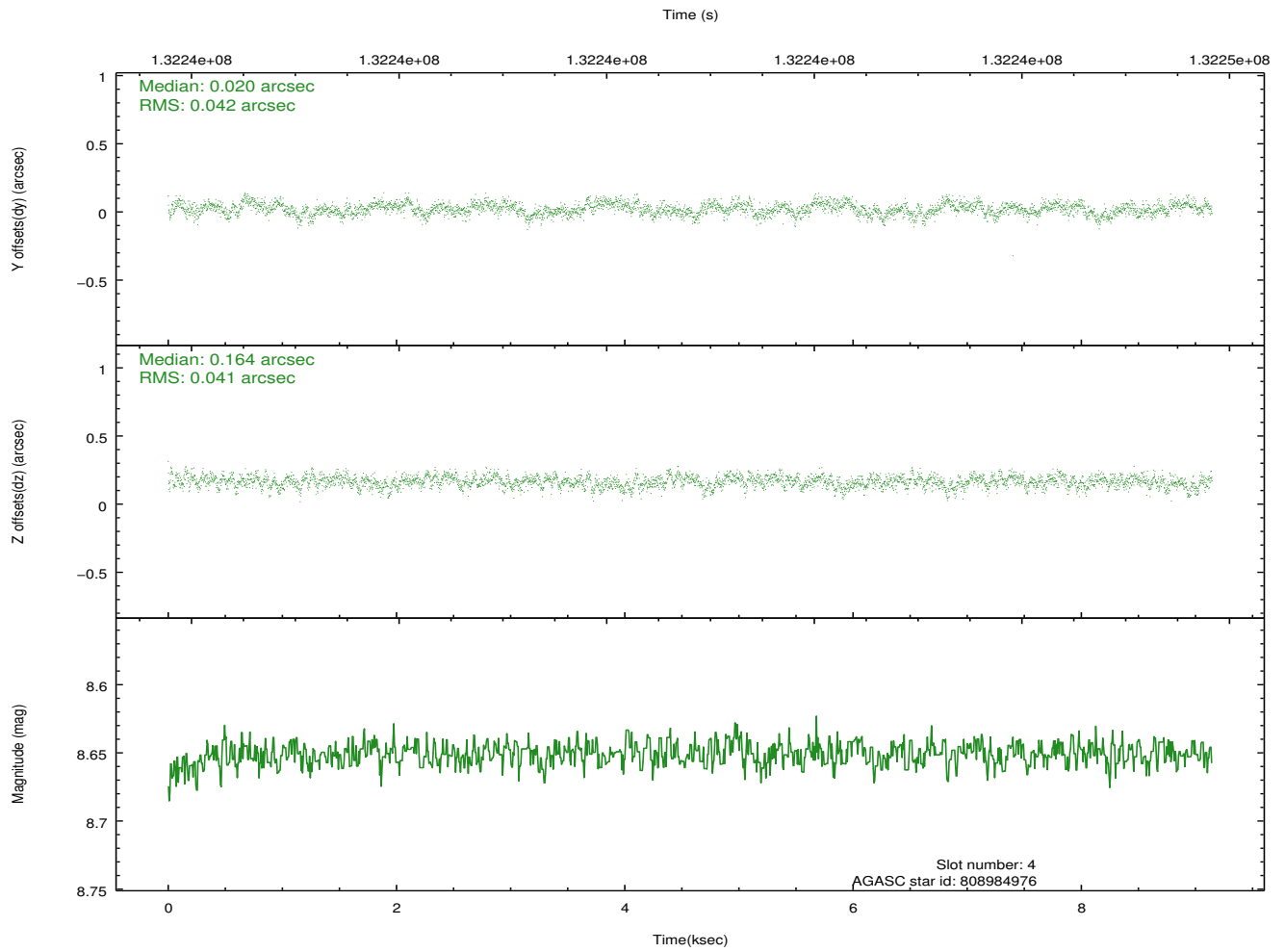
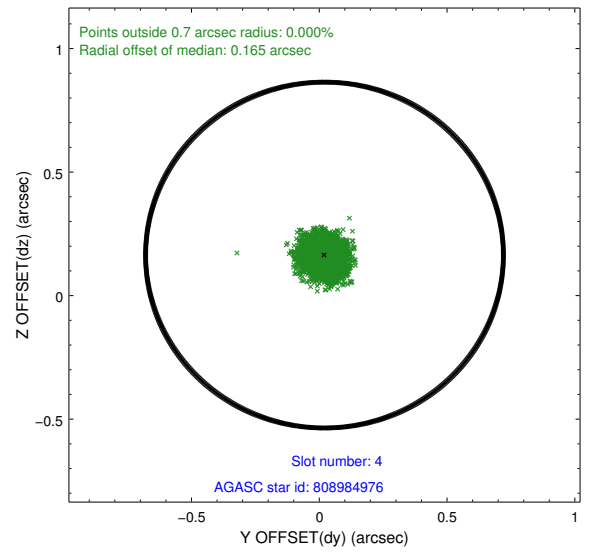
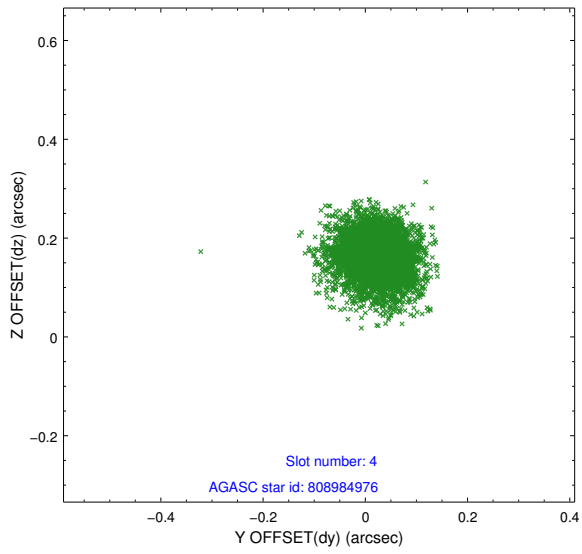
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2231	-0.021	0.010	0.008	0.012	0.000000	0.000000	-755.47	-1727.94
1	FID	ACIS-S-4	7.20	2231	-0.036	0.008	0.006	0.010	0.000000	0.000000	2157.51	179.95
2	FID	ACIS-S-5	7.24	2229	0.026	-0.009	0.007	0.011	0.000000	0.000000	-1807.51	174.25
3	GUIDE	808454800	8.11	4461	-0.201	-0.143	0.060	0.094	224.408644	-16.411221	593.64	1812.87
4	GUIDE	808984976	8.65	4462	0.020	0.164	0.062	0.102	225.070619	-17.020295	-871.62	-991.67
5	GUIDE	808984880	8.84	4459	0.054	0.268	0.075	0.119	225.371506	-17.032226	-625.47	-1999.05
6	GUIDE	808985848	9.25	4460	0.224	-0.197	0.116	0.180	224.056405	-17.097243	-2118.28	2279.34
7	GUIDE	808459840	9.94	4453	-0.105	-0.093	0.130	0.213	224.470985	-15.973039	2167.47	2050.82

2.4 Star Slots

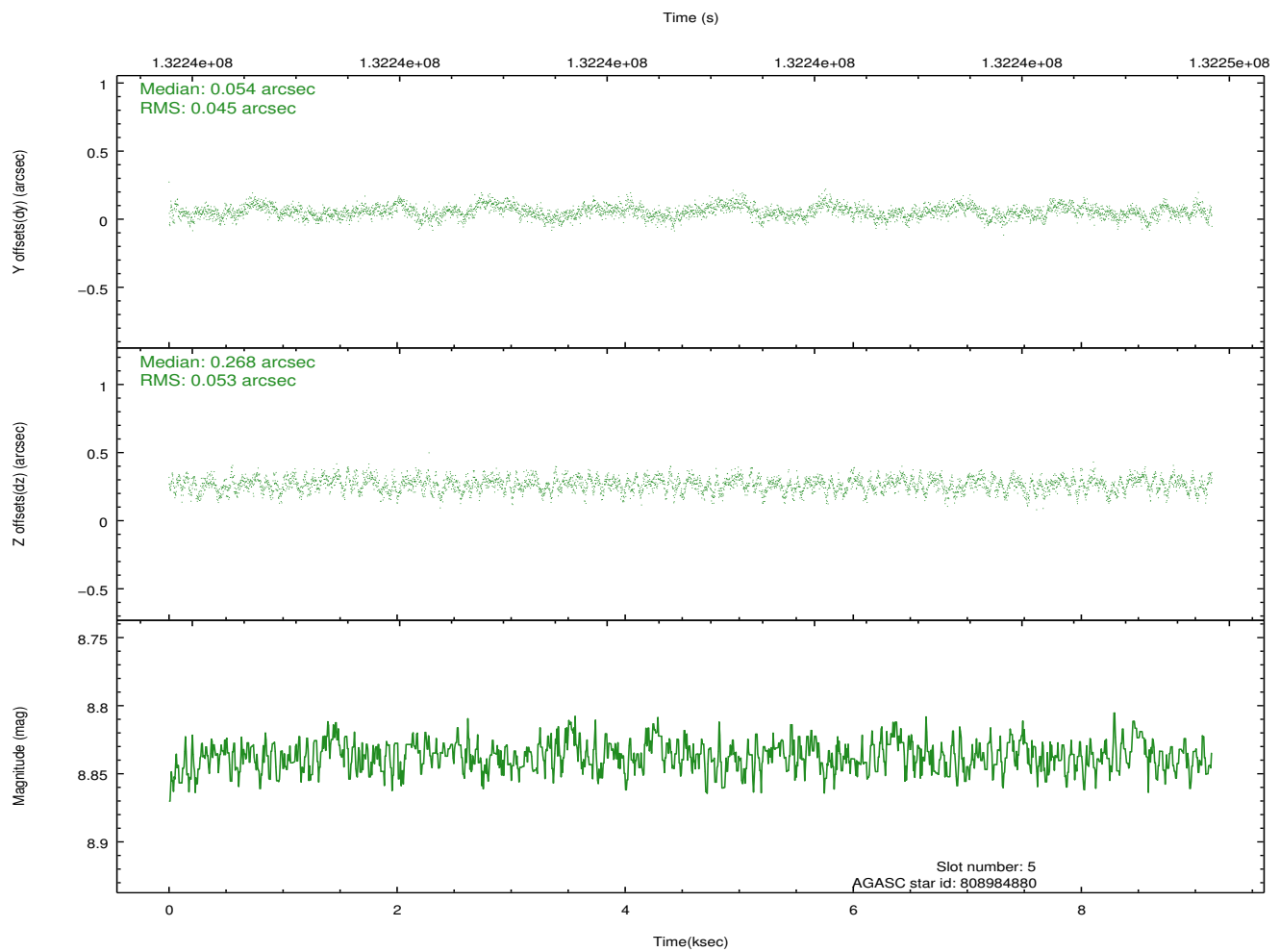
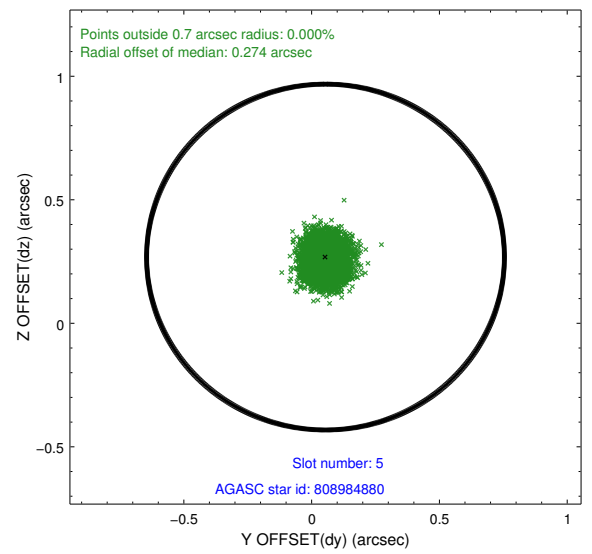
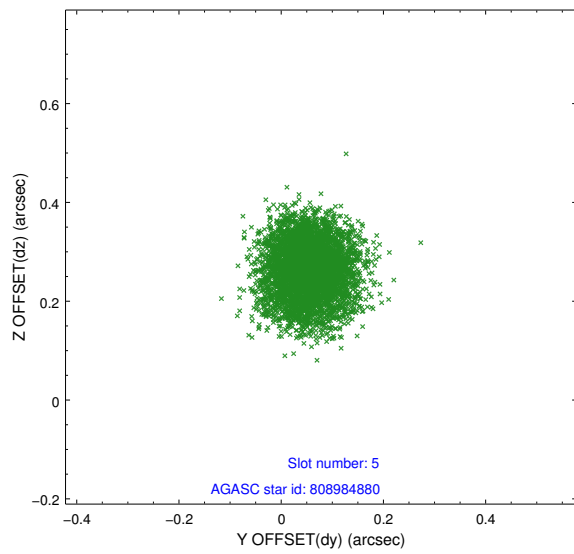
2.4.1 Slot 3



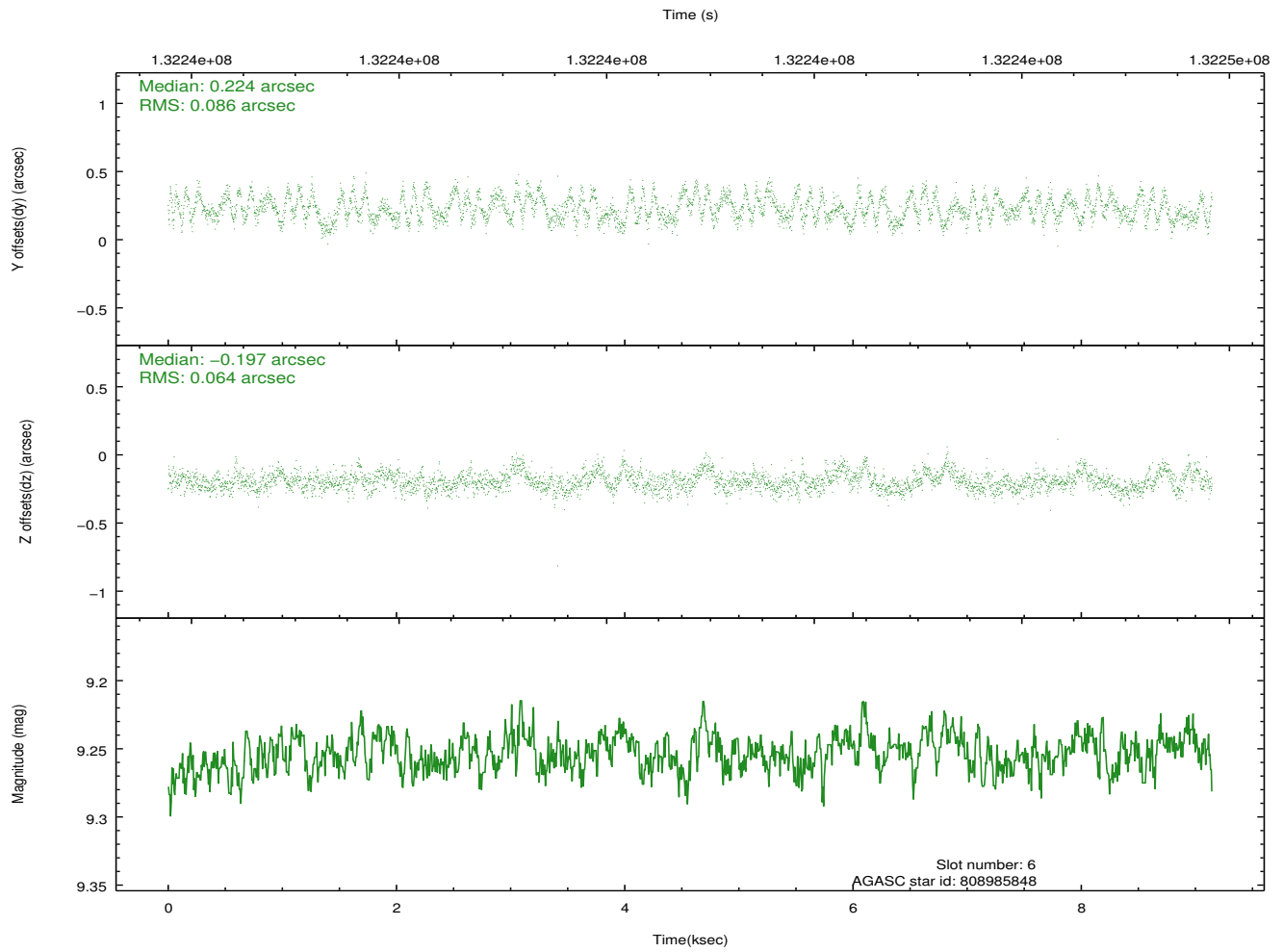
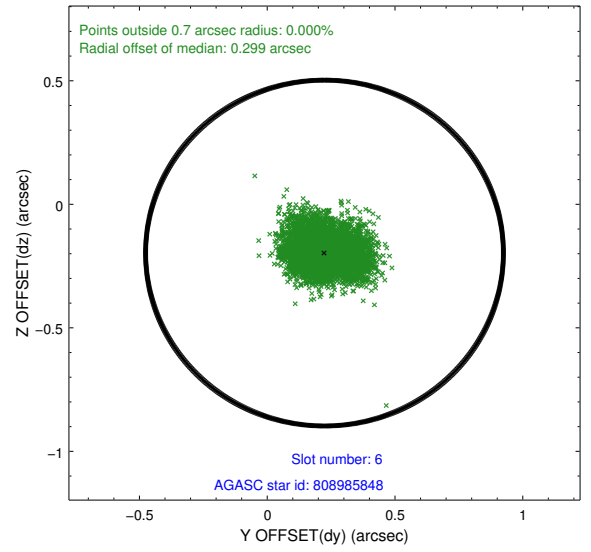
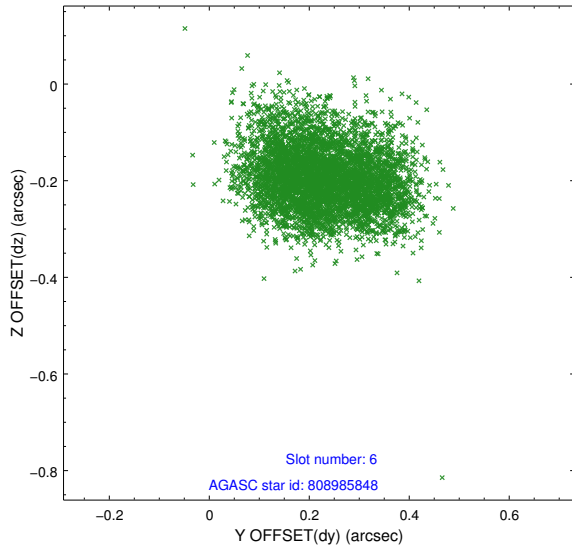
2.4.2 Slot 4



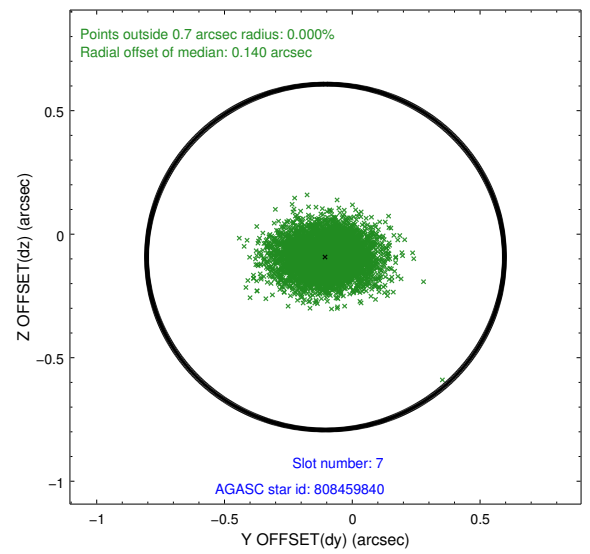
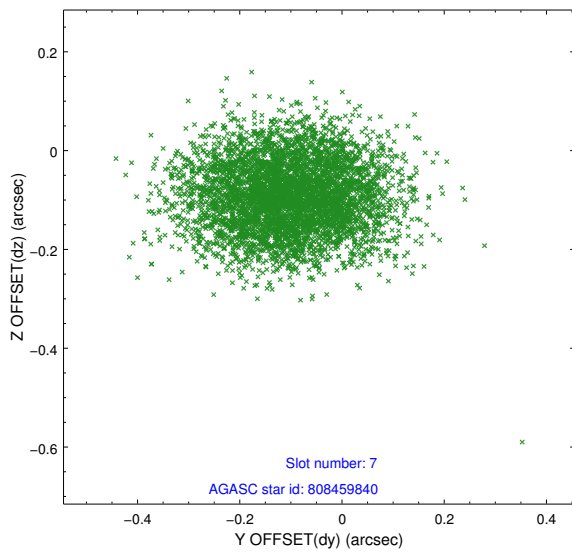
2.4.3 Slot 5



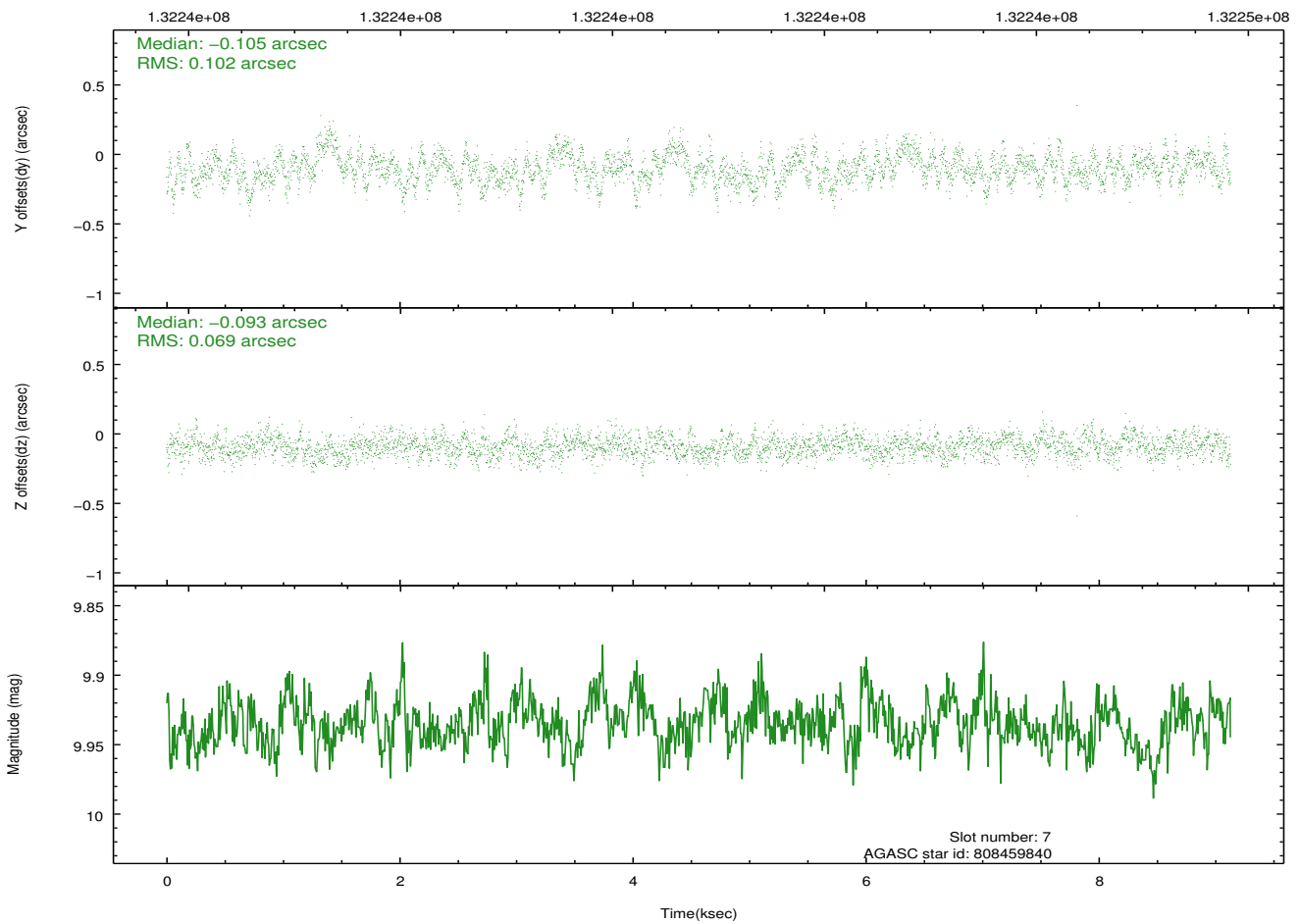
2.4.4 Slot 6



2.4.5 Slot 7

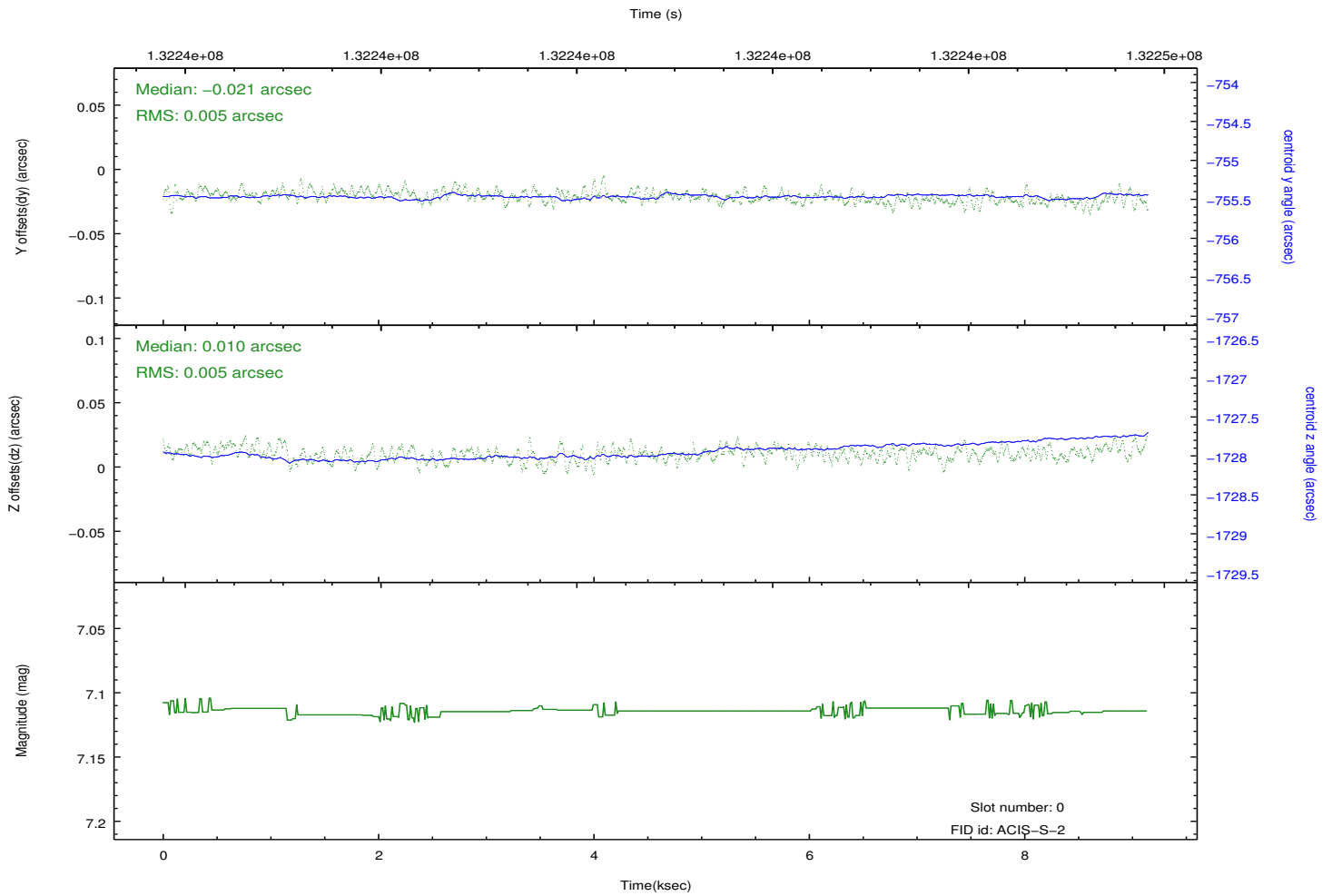
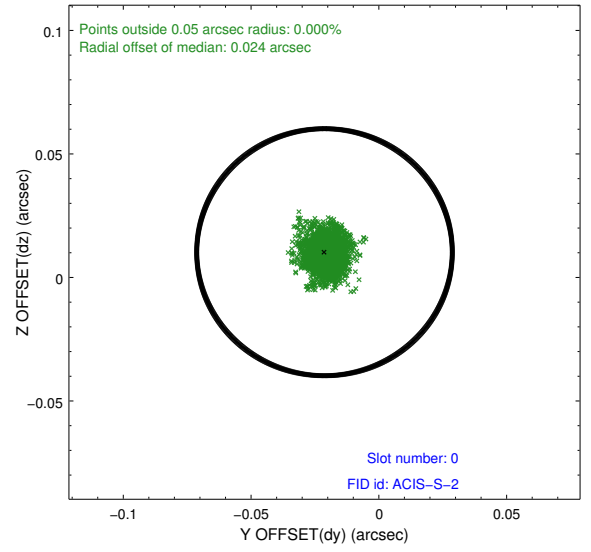
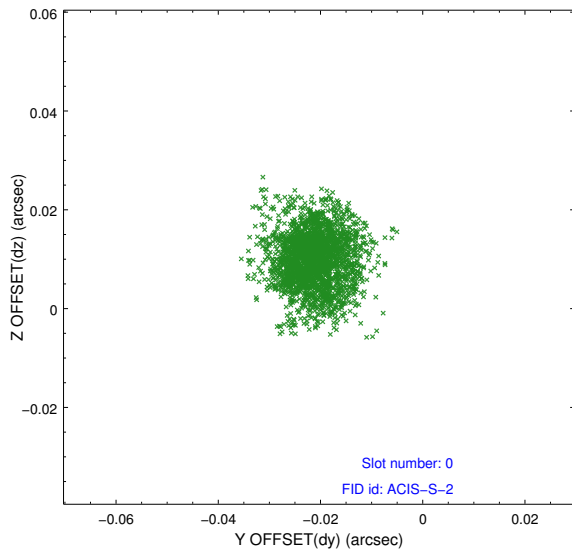


Time (s)

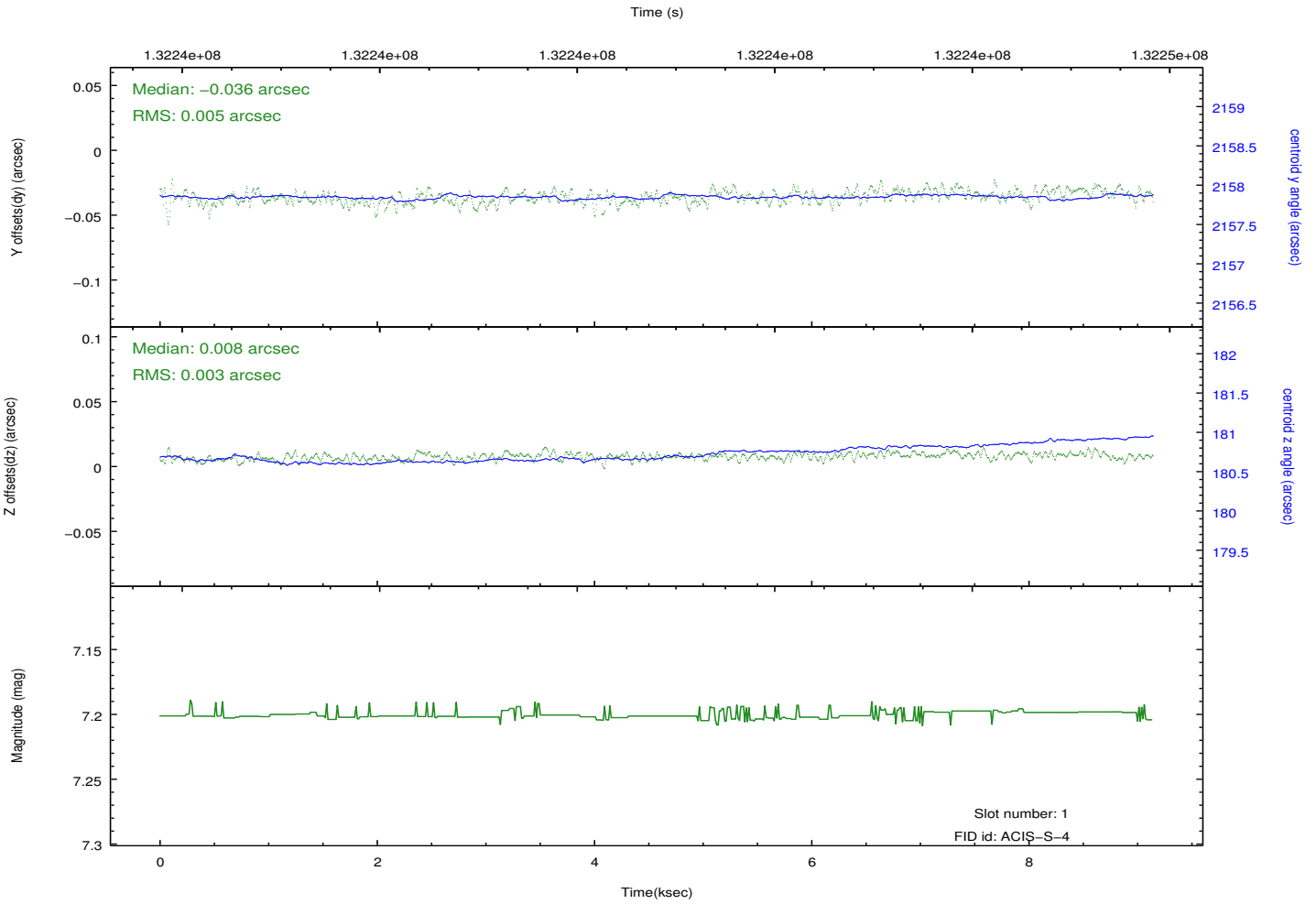
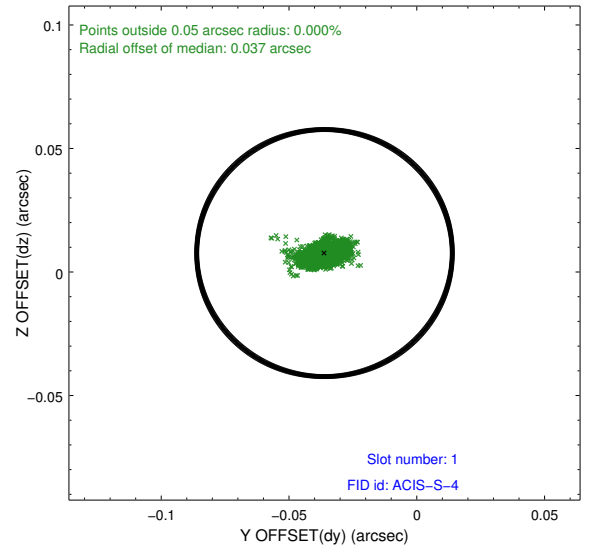
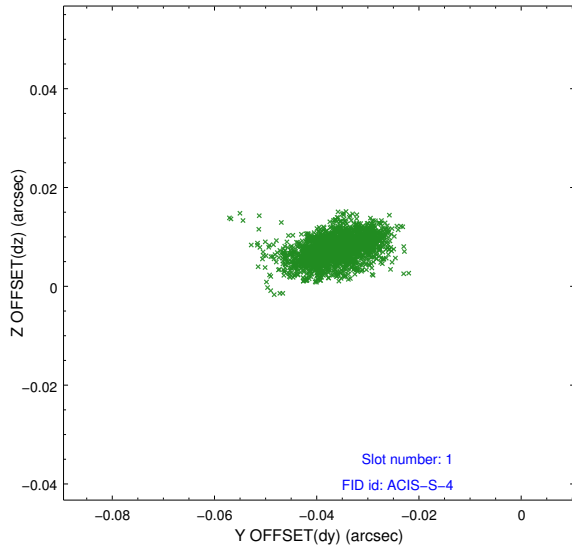


2.5 FID Slots

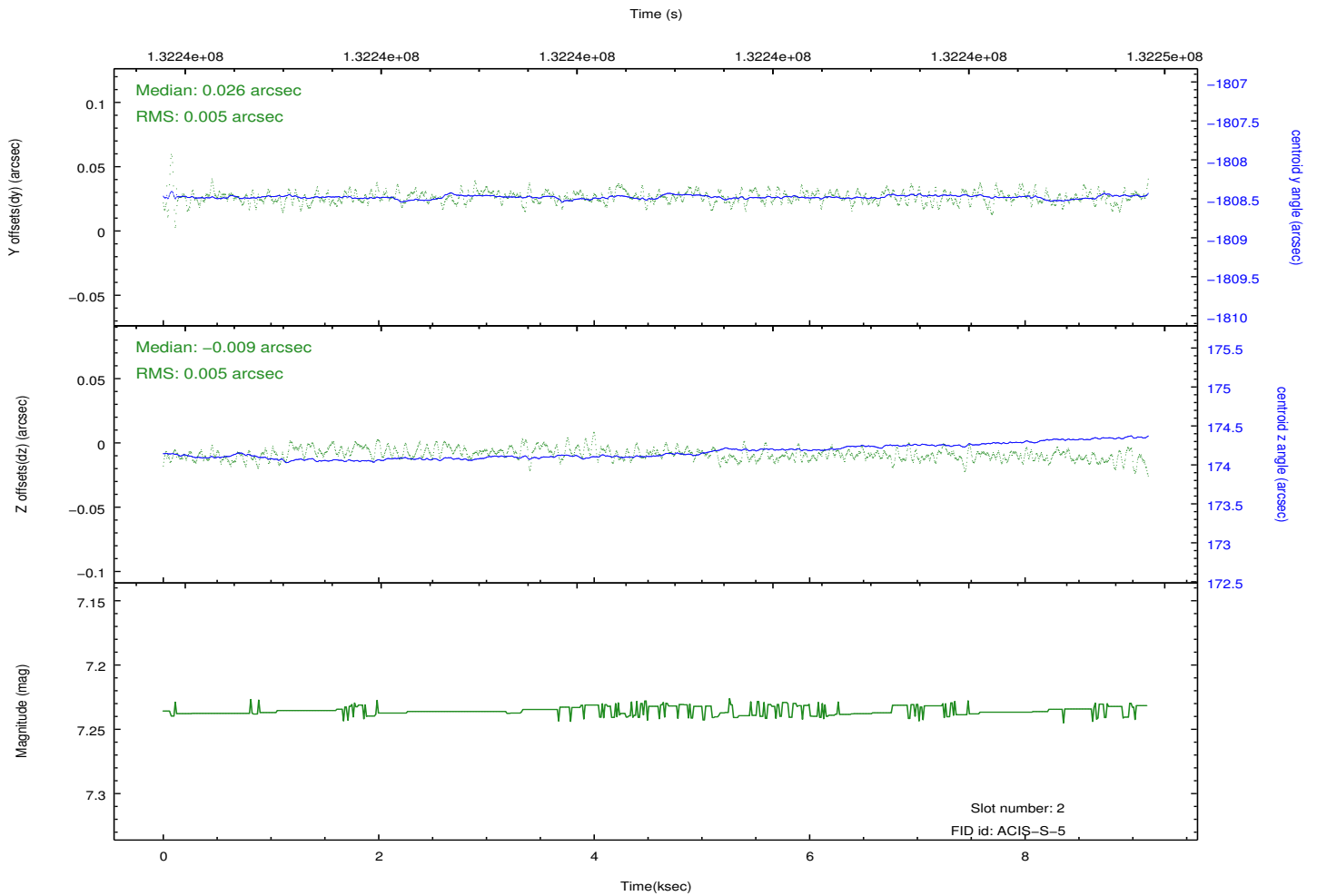
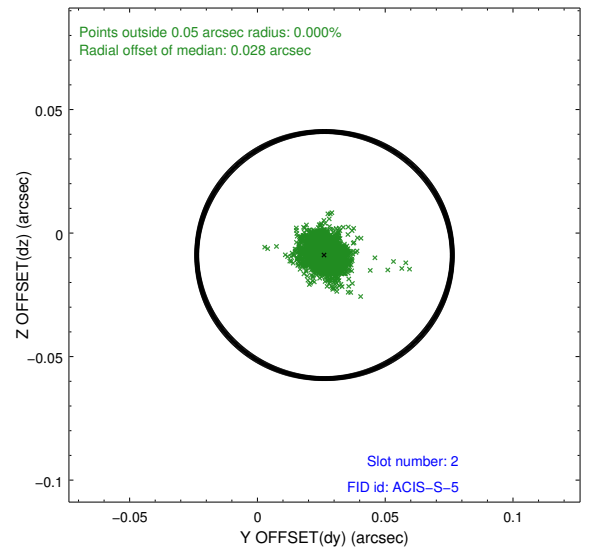
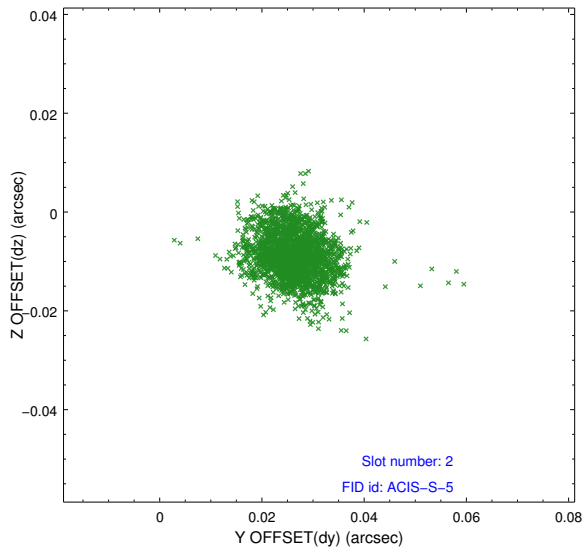
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.758

A.2 Comments